

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-68 (Cancelled)

69. (Currently Amended) The apparatus of claim [[65]] 98, further comprising a conductive fin extending into either the first compartment, the second compartment, or both the first and the second compartments.
70. (Currently Amended) The apparatus of claim [[65]] 98, further comprising a tube to include a heat conducting liquid extending through the first compartment, the second compartment, or both the first and the second compartments.

Claims 71-72 (Cancelled)

73. (Currently Amended) The apparatus of claim [[72]] 98, wherein the exothermic hydrogen generator comprises an exothermic hydrogen generator that is selected from the group consisting of a borohydride solution exposed to a catalyst, a solid lithium aluminum tetrahydride, a hydride exposed to water, a partial oxidation hydrocarbon reformer, and combinations thereof.
74. (Currently Amended) The apparatus of claim [[73]] 98, wherein the endothermic hydrogen generator comprises an endothermic hydrogen generator that is selected from the group consisting of one or more metal hydrides, one or more metal alloy hydrides, a carbon nanotube system, a compressed hydrogen gas, a liquid hydrogen, a steam hydrocarbon reformer, and combinations thereof.

Claim 75 (Cancelled)

76. (Currently Amended) The apparatus of claim [[65]] 98, wherein heat released by the exothermic hydrogen generator is approximately balanced by heat absorbed by the endothermic hydrogen generator.

Claim 77 (Cancelled)

78. (Currently Amended) The apparatus of claim [[65]] 98, further comprising an electrical heater to heat the endothermic hydrogen generator.

Claims 79-97 (Cancelled)

98. (Previously Presented) An apparatus comprising:

a first compartment including an endothermic hydrogen generator to generate hydrogen;

a second compartment including an exothermic hydrogen generator to generate hydrogen, wherein the second compartment is to transfer heat to the first compartment,

wherein the second compartment is inside the first compartment, and

wherein at least one of the endothermic hydrogen generator and the exothermic hydrogen generator comprises a solid including hydrogen;

a substance having a low thermal conductivity enclosing the first compartment;

a substance having a high heat conductance enclosing the second compartment;

a fuel cell to generate electrical power by using the hydrogen;

a first port connected to the first compartment and to the fuel cell; and
a second port connected to the second compartment and to the fuel cell.